



ACT/017/016

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July 12, 1979



Ms. Mary Ann Wright  
Reclamation Biologist  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Dear Mary Ann:

A Summary of Estimated Reclamation Cost After Final Closure of the Processing Facility was submitted to you in late June. At that time, Mr. Ron Daniels and Mr. U. K. Gupta discussed the estimated costs in detail. It was verbally agreed to change item number four to reflect a 12 acre area rather than the submitted 6.25 acres.

We have, therefore, prepared a revised summary sheet and revised detail sheets which are enclosed for your files.

Please advise if I may be of further assistance.

Sincerely,

Pam Newman  
Administrative Assistant

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CC RBSewell  
RTBerg  
JRRookstool

SUMMARY OF ESTIMATED RECLAMATION COST  
AFTER FINAL CLOSURE OF THE PROCESSING FACILITY

<u>Facility</u>	<u>Area To Be Reclaimed (Acres)</u>	<u>Unit Cost Per Acre</u>	<u>Total Estimated Cost</u>
1. Process Plant Decommissioning	(See Attached)		\$245,000
2. a. Process Plant Land	14	\$ 2,830	\$ 39,620
b. Maintenance And Equipment Storage Yard	2	\$ 2,860	\$ 5,720
c. Solid Waste Disposal Site	5	\$ 2,890	\$ 14,450
d. Topsoil Stockpile Area	7	\$ 1,625	\$ 11,375
3. Process Plant Access Roads	6	\$ 3,400	\$ 20,400
4. Tailings Impoundment Area After Final Closure	12	\$38,000	<u>\$456,000</u>
			\$792,000

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2. <u>Process Plant Access Roads</u>	<u>Area</u>	<u>Quantity</u>	<u>Cost</u>
(a) Ripping and softening of various roads in the Processing Facility area @ \$600/Acre	6		\$ 3,600
(b) Cover with 1' of topsoil previously stockpiled @ \$1.00/yd <sup>3</sup> ( $\frac{6 \times 43560 \times 1}{27} = 9,680 \text{ yd}^3$ )	6	9,680 yd <sup>3</sup>	\$ 9,680
(c) Fertilizing and seeding with native plant species @ \$1200/Acre	6		<u>\$ 7,200</u>
TOTAL .....			\$20,480

3. Tailings Impoundment Area After Closure of Processing Facility

(a) Install 6' of clay over the tailings impoundment area. Clay to be imported from Borrow Area F or J. This material to be compacted to at least 95% of standard Proctor density @ \$3.00/yd <sup>3</sup> ( $\frac{12.00 \times 43560 \times 6}{27} = 116,160 \text{ yd}^3$ )	12	116,160 yd <sup>3</sup>	\$348,480
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3. (con't)	<u>Area</u>	<u>Quantity</u>	<u>Cost</u>
(b) Install 2' thick layer of locally available sandy soil material on top of the clay cover and compact @ \$2.00/yd <sup>3</sup> ( $\frac{12.00 \times 43560 \times 2}{27} = 38,720 \text{ yd}^3$ )	12	38,720 yd <sup>3</sup>	\$ 77,440
(c) Install 1' thick layer of gravel and small rock on top to stabilize the surface against wind erosion, etc. @ \$1.50/yd <sup>3</sup> ( $\frac{12.00 \times 43560 \times 1}{27} = 19,360 \text{ yd}^3$ )	12	19,360 yd <sup>3</sup>	<u>\$ 29,040</u>

TOTAL for Tailings Impoundment Reclamation.....	\$454,960
TOTAL OF ITEMS 1, 2, & 3.....	\$545,744
	(approx. \$546,000)

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